

PATENT  
Serial No. 12/507,182  
Amendment in Reply to Office Action mailed on July 11, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A reflector lamp with a light source contained within a hollow discharge vessel having an extended tail end, an exposed electrode extending out of the tail end, a main reflector, a neck portion extending from said main reflector, and at least one primary reflector which is configured to provide a reflection through the light source onto the main reflector of those light portions originating from the light source which propagate in a direction of optically inactivated regions of the main reflector or regions of the main reflector obscured by other objects, wherein the at least one primary reflector covers a portion of the hollow discharge vessel but does not substantially cover the tail end, and wherein the tail end extends in the direction of the optically inactivated regions of the main reflector.

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2. (Previously Presented) The reflector lamp as claimed in claim 1, wherein said optically inactivated regions are formed by a through passage in the main reflector which is provided for a lamp comprising the light source.

3. (Previously Presented) The reflector lamp as claimed in claim 1, wherein said objects are fastening means, cooling means, ignition means, or other means provided for activating and/or operating the light source.

4. (Previously Presented) The reflector lamp as claimed in claim 1, wherein the primary reflector is formed by an optically reflecting coating which is provided on a surface of a lamp comprising the light source.

5. (Previously Presented) The reflector lamp as claimed in claim 4, wherein the optically reflecting coating is formed by a metal layer or by a plurality of dielectric layers or dichroic filters.

6. (Previously Presented) The reflector lamp as claimed in claim

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1, further comprising a reflector body with a reflector portion supporting the main reflector, said neck portion being configured for introducing a lamp comprising the light source, such that the geometric continuation of the main reflector passes through a burner of the lamp.

7. (Previously Presented) The reflector lamp as claimed in claim 1, further comprising a reflector body with a reflector portion supporting the main reflector, said neck portion being configured for introducing a lamp comprising the light source.

8. (Previously Presented) The reflector lamp as claimed in claim 1, wherein the light source is an arc discharge in a high-pressure gas discharge lamp.

9. (Previously Presented) A projection system with at least one reflector lamp as claimed in claim 1.

10. (Currently Amended) A lamp comprising:

a substantially ellipsoid-shaped discharge vessel configured

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to sustain a discharge;

a vessel reflector at least partially covering said substantially ellipsoid-shaped discharge vessel;

a reflection portion covered with a further reflector; and

a neck portion extending from said reflection portion;

wherein at least a portion of said substantially ellipsoid-shaped discharge vessel is located within said neck portion,

wherein said ellipsoid-shaped discharge vessel has an extended tail end,

wherein an exposed electrode extends out of said tail end,

wherein said vessel reflector covers a portion of said substantially ellipsoid-shaped discharge vessel but does not substantially cover said tail end,

and wherein said tail end extends in the direction of said neck portion.

11. (Previously Presented) The lamp of claim 10, wherein at least a portion of said vessel reflector is located within said neck portion.

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12. (Previously Presented) The lamp of claim 10, wherein a geometric continuation of the further reflector passes through the discharge vessel.

13. (Currently Amended) A lamp comprising:

a substantially ellipsoid-shaped envelope configured to include a light source;

an envelope reflector at least partially covering said substantially ellipsoid-shaped envelope;

a reflection portion covered with a further reflector; and

a neck portion extending from said reflection portion;

wherein at least a portion of said substantially ellipsoid-shaped envelope is located within said neck portion,

wherein said ellipsoid-shaped envelope has an extended tail end,

wherein an exposed electrode extends out of the tail end,  
wherein said envelope reflector covers a portion of said substantially ellipsoid-shaped envelope but does not substantially cover said tail end,

and wherein said tail end extends in a direction of said neck

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portion.

14. (Previously Presented) The lamp of claim 13, wherein at least a portion of said envelope reflector is located within said neck portion.

15. (Previously Presented) The lamp of claim 13, wherein a geometric continuation of the further reflector passes through the envelope.

16. (Previously presented) The lamp of Claim 10, wherein the substantially ellipsoid-shaped discharge vessel comprises an extended tail end, wherein the vessel reflector covers a portion of the substantially ellipsoid-shaped discharge vessel but does not substantially cover the tail end, and wherein the tail end extends in a direction of optically inactivated regions of the further reflector.

17. (Previously presented) The lamp of Claim 13, wherein the substantially ellipsoid-shaped envelop comprises an extended tail

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end, wherein the envelope reflector covers a portion of the substantially ellipsoid-shaped envelop but does not substantially cover the tail end, and wherein the tail end extends in a direction of optically inactivated regions of the further reflector.

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